

WHAT IS CLAIMED AS THE INVENTION IS:

1. A spade drill bit comprising:
a shaft;
a spade head portion arranged on said shaft, said head portion having a rearward facing bottom edge, two longitudinal sides and a forward facing cutting edge having a pointed, generally triangularly shaped tip and outer ends,
wherein said longitudinal sides of said head portion are bent along a bend in a direction of rotation of said drill bit during operation, so that said outer ends are bent forwards in said rotating direction, and wherein said bend runs from a first position at one of said longitudinal sides, said first position arranged closer to said bottom edge than to said cutting edge, to a second position at said cutting edge between said outer end and said tip.

2. The spade drill bit as recited in claim 1, wherein edge spurs are arranged at said outer ends of said cutting edge.

3. The spade drill bit as recited in claim 1, wherein said cutting edge comprises arced cutting portions arranged between said outer ends and said tip, said arced cutting portions being generally U-shaped.

4. The spade drill bit as recited in claim 2, wherein said cutting edge comprises arced cutting portions arranged between said edge spurs and said tip, said arced cutting portions being generally U-shaped.

5. The spade drill bit as recited in claim 1, wherein said longitudinal sides comprise serrations.

6. The spade drill bit as recited in claim 2, wherein said longitudinal sides comprise serrations.

7. The spade drill bit as recited in claim 1, wherein said tip comprises reliefs arranged in the cutting direction.

8. The spade drill bit as recited in claim 7, wherein said reliefs are arranged along at least a portion of said bend.

9. The spade drill bit as recited in claim 2, wherein said tip comprises reliefs arranged in the cutting direction.

10. The spade drill bit as recited in claim 9, wherein said reliefs are arranged along at least a portion of said bend.

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